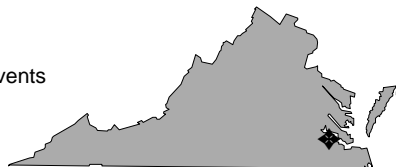


Size:	3,152 acres
Mission:	House Air Combat Command Headquarters, 1st Fighter Wing, 74th Tactical Control Facility, 480th Reconnaissance Technical Group, and NASA Langley Research Center
HRS Score:	50.00; placed on NPL in May 1994
IAG Status:	Federal Facility Agreement under negotiation
Contaminants:	Petroleum products, chlordane, PCBs, heavy metals, and solvents
Media Affected:	Groundwater, surface water, sediment, and soil
Funding to Date:	\$45.1 million
Estimated Cost to Completion (Completion Year):	\$33.3 million (FY2007)
Final Remedy in Place or Response Complete Date for All Sites:	FY2005



Hampton, Virginia

Restoration Background

This installation includes Langley Air Force Base and the NASA Langley Research Center. The base, which has been an airfield and an aeronautical research center since 1917, is the home base of the First Fighter Wing, Headquarters Air Combat Command, and NASA Langley Research Center.

A FY81 Preliminary Assessment (PA) and a Site Inspection (SI) and additional studies identified 45 sites at the installation, including landfills, underground storage tanks (USTs), a bulk fuel distribution system, and storm sewers. Investigations have determined that contaminants are migrating into Tabb Creek, the Back River, and ultimately the Chesapeake Bay.

In FY85, the installation discovered additional fuel contamination and free-product plumes. Subsequently, the installation replaced the fuel distribution system, investigated contaminated sediment in the storm sewers, and conducted Removal Actions to address free product at eight sites. Corrective action plans for the eight petroleum-contaminated sites were completed, and USTs at those sites were removed. Removal Actions to remediate soil and groundwater contamination began at three other sites. Additional actions at the sites included removal of abandoned USTs and free product and installation of a treatment plant to remove emulsified fuel from groundwater.

In FY93, the installation began SIs at 33 sites and Remedial Action construction at six sites. In FY94, NASA removed about 600 cubic yards of contaminated sediment from its storm sewers. In FY95, the installation completed construction of a second groundwater extraction and treatment system for petroleum-contaminated groundwater at two sites. A soil vapor extraction system also was implemented to remediate petroleum-contaminated soil near a filling station. During FY96, Remedial Investigations were initiated at 13

sites, and the installation completed SI activities at 33 sites and Removal Actions at 2 sites. In FY97, the installation implemented Removal Actions at three sites and continued operations and maintenance of the groundwater treatment plant.

In FY95, the installation's Restoration Advisory Board participated in the Variable Oversight Initiative, a national initiative by EPA and state regulatory agencies to streamline regulatory review. The initiative involved formation of the Langley AFB Partnership to improve communication and to set cleanup priorities.

FY98 Restoration Progress

The installation completed Interim Remedial Actions for two sites, signed decision documents designating No Further Response Action Planned (NFRAP) for three sites, completed Proposed Plans and public meetings for two sites, and established three areas of concern that later became Installation Restoration Program (IRP) sites. Nine USTs were removed from three sites, a recovery system and monitoring wells were upgraded at three sites, and one petroleum/oil/lubricants (POL) site was closed with NFRAP approved by the state.

The new Back River IRP site, which surrounds Langley, was programmed for a PA/SI to determine what environmental impact the base had on Back River, and a former wastewater treatment plant was removed to eliminate a pathway to the Back River.

The installation saved approximately \$815,000 by using the Langley Partnership to determine the technical approach for managing soil at one site. To date, estimated cost savings of more than \$3.6 million and time savings of 24 months were achieved through the Langley Partnership. The Federal Facility Agreement is under negotiation.

Plan of Action

- Continue to use streamlined oversight tools and the Langley Partnership in FY99
- Sign two Records of Decision (RODs) in FY99
- Close out seven sites in FY99
- Complete an interim groundwater approach and RODs for two sites in FY99
- Close three additional POL sites in FY99
- Develop an Ecological Assessment summary report for all sites in FY99

FY99 FUNDING BY PHASE AND RELATIVE RISK

